Appendix D

Common and Standard Domain

General

1. A domain is the set of values that a data element may have. Domains are defined by the attributes of the data element (length, format, decimal location), by a range of values, or by a list of acceptable values, where applicable.

2. The domain attributes and standard value lists contained in the Command Data Dictionary have been negotiated with proponents and users. These are the standards for all future relational databases and others which, if followed, will facilitate sharing and interchange of data between systems.

3. COMMON DOMAINS support data elements that have common attributes and common values. The set of values that define a COMMON DOMAIN is not a limited list like the domain of STATE-CODE, but their domains, or set of values, are utilized by many conceptual data elements. Those domains with a limited set of values like STATE-CODE are designated STANDARD DOMAINS.

a. An example of a common domain is CALENDAR-DATE which has the attributes (length is 9, format is DATE, DD-MMM-YY). There are a number of conceptual data elements that utilize this common data domain:

— AGREEMENT-CHANGE-REQUEST-AUTHORIZED-DATE

— AGREEMENT-CHANGE-REQUEST-CANCELLATION-DATE

— AUTHORITY-EFFECTIVE-DATE

— MILESTONE-ORIGINAL-DATE

— MILESTONE-ACTUAL-DATE.

b. Another example is the common domain PERCENT which has the attributes (length is 5, format is NUMBER, decimal 10-cation is 2). Conceptual data elements utilizing this common domain are:

— INFLATION-RATE-PERCENT

— ORGANIZATION-RESOURCE-TECHNICAL-INDIRECT-OTHER-PERCENT

NAME	FORMAT	SIZE	DEC	RANGE
Name Classes				
NAME-ID-20	CHAR	20		
NAME-ID-40	CHAR	40		
NAME-ID-60	CHAR	60		
Address Classes				
ADDRESS-LINE	CHAR	30		
MAIL-CODE	CHAR	9		
TELECOM-ID	CHAR	20		
Date and Classes				
CALENDAR-DATE	DATE	9	--	--
YEAR	NUMBER	4	--	--
MONTH-NUMBER	NUMBER	2	--	1-12
DAY-OF-MONTH	NUMBER	2	--	1-31
DAY-OF-WEEK	NUMBER	1	--	1-7
DAYS-DURATION	NUMBER	4	--	--
YEARS-DURATION	NUMBER	2	--	--
GMT-TIME	CHAR	8	--	--
LOCAL-TIME	CHAR	11	--	--
Numeric Classes				
COUNT	NUMBER	4	--	--
AMOUNT	NUMBER	11	2	--
SEQUENCE-NUMBER	NUMBER	6	--	--
PERCENT	NUMBER	*5*	2	-
Text Classes				
SHORT-TEXT	CHAR	60		
MEDIUM-TEXT	CHAR	120		
LONG-TEXT	CHAR	VAR		
Special Classes				
INDICATOR	CHAR	2		
TYPE-20	CHAR	20		
TYPE-40	CHAR	40		
TYPE-60	CHAR	60		

Figure D-1: Common Domains

DOMAIN BUDGET-LINE-SYMBOL-CODE

VALUE(S):	DESCRIPTION:
-	No earnings
A	Advertise and award
C	AE Contract no
D	Design memo
E	Earnings
H	Hired Labor
P	Plans and specs
R	Review

DOMAIN: BUSINESS-TYPE-CODE

VALUE(S):	DESCRIPTION:
0	Large Business
1	Small Business
2	Small Disadvantage Business (not 8A)
3	Small Disadvantage Business (8A)
4	Small Business - Women Owned

DOMAIN: CALENDAR-DATE

VALUE(S):	DESCRIPTION:
M	
X	
Y	
Z	

DOMAIN: CHANGE-REQUEST-ORIGINATING-AGENCY-CODE

VALUE(S):	DESCRIPTION:
C	Corps of Engineers
E	Environmental Protection Agency (EPA)
K	Contractor (Claims and VE Proposals)
P	PRP
T	All Other
U	Using Agency (MACOM, Installation, Flood Control District County, etc.)

DOMAIN: CHANGE-REQUEST-TRANSACTION-CODE

VALUE(S):	DESCRIPTION:
1	Changes to existing T/C "4" activities.
2	Changes to contingency reserve (CWE increases/decreases).
3	Establishes award and current CWE amounts and dates (a construction contract award).
4	Unfunded MOD/C WE activity or comments.
5	Pending MOD/C WE activity.

Figure D-2: Standard Domains

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6	Firm or final MOD/CWE activity.
7	S&A adjustment (CWE not changed)
A	A-E award.
B	Pending design modification.
C	Firm design modification.
D	Firm design modification, lost effort.
E	Administrative or comment, design.
Z	Incomplete MOD/CWE activity transaction.

DOMAIN: COOLING-SYSTEM-CODE

VALUE(S):	DESCRIPTION:
A	Mechanical ventilation only
B	Mechanical refrigeration (on site electric)
C	Mechanical refrigeration (on site gas)
D	Mechanical refrigeration (on site other fuel)
E	Mechanical refrigeration (heat pump)
F	Central chilled water
G	Air conditioning (other)
H	Evaporative cooling

DOMAIN: COUNTRY-CODE

VALUE(S):	DESCRIPTION:
AS	AMERICAN SAMOA
BA	BAHRAIN
BE	BELGIUM
BO	BOTSWANA
CM	COMMONWEALTH OF NORTHERN MARIANAS
CN	CAMEROON
CS	COSTA RICA
DA	DENMARK
DI	DJIBOUTI
EG	EGYPT
ES	EL SALVADOR
EU	EUROPE VARIOUS
FR	FRANCE
GB	GREAT BRITAIN
GE	GERMANY
GH	GHANA
GL	GREENLAND
GN	GABON
GR	GREECE
GU	GUAM
HO	HONDURAS
IC	IVORY COAST

Figure D-2: Standard Domains (cont'd)

II	INDIA
IR	IRAN
IT	ITALY
JA	JAPAN
JD	JORDAN
JL	JOHNSTON ATOLL
KE	KENYA
KO	KOREA
KU	KUWAIT
LI	LIBERIA
LS	LAOS
LU	LUXEMBOURG
LY	LIBYA
MC	MOROCCO
ML	MALI
MR	MARSHALL ISL
MU	MAURITANIA
MI	MALAWI
NI	NIGERIA
NO	NORWAY
NR	NIGER
OA	OKINAWA
OM	OMAN
PC	PANAMA CANAL ZONE
PK	PAKISTAN
PR	PUERTO RICO
QR	QATAR
RW	RWANDA
SA	SAUDI ARABIA
SE	SENEGAL
SI	SIERRA LEONE
SL	SRI LANKA
SO	SOMALIA
SP	SPAIN
SU	SUDAN
SW	SWITZERLAND
TH	THAILAND
TT	TRUST TERRITORIES
TW	TAIWAN
UA	UNITED ARAB EMIRATES
UK	UNITED KINGDOM
US	NASSAU
VI	VIRGIN ISLANDS
ZZ	VARIOUS WORLDWIDE

Figure D-2: Standard Domains (cont'd)

DOMAIN: ENERGY-CALCULATION-TOOL-CODE

VALUE(S):	DESCRIPTION:
A	BLAST (Harris)
B	BLAST (CDC)
C	BLAST (INTERPRO stand alone)
D	BLAST (INTERGRAPH CADD interface)
E	BLAST (MICRO 286)
F	BLAST (MICRO 386)
G	BLAST (MACINTOSH)
H	BLAST (other)
I	DOE 2 (Mainframe)
J	DOE 2 (Micro)
K	ESP-11 (APEC)
L	Other true hour by hour program
M	TRACE (Mainframe)
N	ULTRATRACE
O	TRACE EASY
P	CARRIER HAP
Q	Other condensed hourly program
R	CARRIER E20
S	ELITE
T	ASEAM II
U	SEA
V	Other modified BIN program
W	Other variable degree day program
X	Other program not listed above
Y	Hand calculations

DOMAIN ENERGY-CONSERVATION-COMPLIANCE-CODE

VALUE	DESCRIPTION:
A	DAB Less than or equal to DET - COMPLIES
B	DAB greater than DET REDESIGN UNDERWAY
C	DAB greater than DET WAIVER REQUESTED
D	DAE greater than DET WAIVER APPROVED

DOMAIN HEATING-FUEL-CODE

VALUE	DESCRIPTION:
A	Natural gas (on site equipment)
B	Fuel oil (on site)
C	Coal (on site)
D	Electric heat pump
E	Electric resistive (requires waiver approval)

Figure D-2: Standard Domains (cont'd)

F	Other on site fuel (i.e. wood, refuse, etc.)
G	Central steam (oil fired)
H	Central steam (gas fired)
I	Central steam (coal fired)
J	Central steam (other fuel)
K	Central HTHW (oil fired)
L	Central HTHW (gas fired)
M	Central HTHW (coal fired)
N	Central HTHW (other fuel)
O	Cntr low temp HW (oil fired)
P	Cntr low temp HW (gas fired)
Q	Cntr low temp HW (other fuel)
R	Passive solar
S	Active solar
T	Radiant (overhead gas)
U	Radiant (overhead electric)
V	Radiant (in slab)
W	Other (not listed above)
X	No heating

DOAIN: METHOD-OF-ACCOMPLISHMENT-CODE

VALUE(S):	DESCRIPTION
AE	Architect-Engineer
CCN	CONTRACT:CONSTRUCTION (incld: furnished mat'l)
CSA	CONTRACT:SUPER VISION & ADMINISTRATION
DC	Design-Construct or Turnkey
HL	Hired Labor
ID	Indirect Design (design agent other than an FOA)
IED	IN-HOUSE: ENGINEERING & DESIGN
ISA	IN-HOUSE: SUPERVISION & ADMINISTRATION
OTH	OTHER (mat'l, supplies, eqpt, repro, travel, etc.)
TL	Troop Labor
US	Using service ??????

DOMAIN: MILESTONE-TABLE-TYPE

VALUE(S):	DESCRIPTION:
1	WORK ITEM
2	AGREEMENT

Figure D-2: Standard Domains (cont'd)

3	PURCHASE REQUEST
4	SOLICITATION/ACQUISITION
5	CONTRACT ADMINISTRATION

DOMAIN: PROJECT-AUTHORIZED-PHASE-CODE

VALUE(S):	DESCRIPTION:
0	No Design Authority-use for studies or activ. not requiring design auth or where no follow-on Constr/O&M is anticipated
1	Planning activities prior to initiation of design
2	Concept design (ARMY)/Early Preliminary (AIRFORCE)
3	Preliminary Design (AIREORCE projects)
4	Design held in abeyance
5	Deferred from program
6	Final design authorized
8	Project canceled
9	Construction Contract Award authorized

DOMAIN: RESOURCE-PLAN-STATUS-CODE

VALUE(S):	DESCRIPTION:
BA	Baseline Approved estimate
BP	Baseline Preliminary (not yet approved)
ER	Baseline Revised (Current Fiscal Year, approved est.)
FE	Forecast Estimate (not yet approved)
RE	Revised Estimate (i.e. current, approved)

DOMAIN: STANDARD-LOCAL-TYPE

VALUE(S):	DESCRIPTION:
L	LOCAL; ESTABLISHED LOCALLY
S	STANDARD
T	TEST

DOMAIN: TYPE

VALUE(S):	DESCRIPTION:
A	FIXED PRICE REDETERMINATION
J	FIRM FIXED PRICE
K	FIXED PRICE ECONOMIC PRICE ADJUSTMENT
L	FIXED PRICE INCENTIVE
R	COST PLUS AWARD FEE
S	COST CONTRACT

Figure D-2: Standard Domains (cont'd)

T	COST SHARING
U	COST PLUS FIXED FEE
V	CPIF
Y	TIME AND MATERIALS
Z	LABOR HOURS

DOMAIN: WI-EMPLY-ASSIGNMENT-CODE

VALUE(S):	DESCRIPTION:
COE	Construction Engineer
DEE	Design Engineer
IPM	Individual Project Manager
TPM	Team Project Manager

DOMAIN: WORK-ITEM-DELAY-CODE

VALUE(S):	DESCRIPTION:
AO	Construction authorization not received from user (second character is zero)
Al	Construction authorization not received from HQUSACE
A2	Error in bids or protest regarding bids
A3	Bids rejected, readvertising required
A4	Bid opening delayed pending issuance of amendment or other administrative reasons
A5	Advertisement or award deferred by higher authority (includes using service)
A6	Advertising authorization not received
A8	Awaiting execution of Local COOP agreement
A9	Local COOP agency failed to provide disposal area or other items required by the Local sponsor
AD	Item canceled or deleted
C1	Right of entry for construction not obtained
C2	Land acquisition not completed
C3	Delay in construction contractor mobilization for work
C4	Contractor financial deficiency
C5	Contractor inefficiency
C6	Coliection of defective work by construction contractor
C8	Unforeseen natural conditions - inclement weather
C9	Unforeseen natural conditions - subsurface conditions

Figure D-2: Standard Domains (cont'd)

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CA	Unforeseen natural conditions - catastrophe or other cause not covered by C8 or C9
CB	Seasonal nature of work
CC	Delayed by other construction contractor on same site
CD	Contract terminated for default
CE	Delay in delivery of construction contractor furnished materials or equipment
CF	Deferred by contractor for work on other line items in the same contract
CG	Correction of design deficiency pending
CH	Correction of deficiencies or final tests prior to transfer
CJ	Labor difficulties - strikes, disputes, violations, etc.
CK	Insufficient labor available within the area
CL	Change pending
CM	Temporary suspension of work for convenience of government
CN	Delayed for security reasons
CP	Delay in delivery of government furnished materials or equipment
CO	Contract terminated for convenience of government
DO	No current problems (all phases) (second character is a zero)
D1	Insufficient funds
D2	Awaiting issuance of directive to proceed or continue with design
D3	Sitting not determined
D4	Right of entry for preliminary survey not obtained
D5	Scope not defined
D6	Criteria not received from using service
D7	Criteria not received from HQUSACE
D8	Awaiting approval of design
D9	AE behind schedule
DA	DE design canceled or deferred
DB	Redesign required
DC	Design canceled or deferred
Fl	Contractor claim submitted - contracting officer's decision pending

Figure D-2: Standard Domains (cont'd)

F2	Contractor claim pending - CEBCA
F3	Contractor claim pending - ASBCA
F4	Contractor claim or government suit pending - Federal Court
F5	Financial closeout pending A-E damages resolution
F6	Using service changes after transfer
F7	Pending action from another agency to include audit agencies and the Dpt of Labor or other agencies for Labor violations
F8	Correction of construction deficiencies discovered after transfer
F9	Additional contract awarded to correct deficiencies
FA	Final settlement with contractor not made
FB	Final government costs not established
FC	Pending completion of other item(s) in the same contract
FD	Final costs on GFE not established
FE	Price redetermination and/or renegotiation not completed
T1	Final acceptance withheld pending correction of deficiencies
T2	Processing of DD form 1354 not complete
T4	Using service refuses to accept transfer
T5	Operating manuals and/or training of operating personnel not been completed
T6	"AS BUILT" drawings not completed
X	
Y	
ZZ	Other causes not covered by any other code

DOMAIN: WORK-ITEM-MISSION-CODE

VALUE(S):	DESCRIPTION:
1	NEW AND EXPANDED MISSION
2	CURRENT MISSION
3	REPLACEMENT AND MODERNIZATION

Figure D-2: Standard Domains (cont'd)

DOMAIN: WORK-ITEM-ORGANI7ATION-ASSIGNMENT-ID

VALUE(S):	DESCRIPTION:
CON	Construction Agent
DES	Design agent
PER	Performing organization
REC	Received-by organization
REO	Resident office
RPT	Reporting organization
RSP	Responsible organization

DOMAIN: WORK-ITEM-PHASE-CODE

VALUE(S):	DESCRIPTION:
C	Construction
D	Design
M	Maintenance and Operations
MU	Multiple Phases
NA	Not Applicable
P	Planning (feasibility)

Figure D-2: Standard Domains (cont'd)